AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A sprinkler system comprising:

~~one or more~~ a plurality of sprinklers each comprising a sprinkler valve adapted to regulate an amount of fluid delivered by the sprinkler in response to a control signal;

a master unit adapted to transmit digital data; and

a plurality of sprinkler controllers, each one of the plurality of sprinkler controllers associated with a respective one of the plurality of sprinklers and comprising:

a receiver adapted to receive a signal representing the digital data;

a media access controller adapted to obtain the digital data from the signal, frame the digital data, and filter the digital data to select frames of the digital data that are addressed to the one of the plurality of sprinkler controllers; and

a processor adapted to produce the control signal based on the digital data obtained by the media access controller; and

an output circuit adapted to provide the control signal to the sprinklers.

2. (Original) The sprinkler system of claim 1, wherein the digital data comprises data representing at least one of the group comprising:

a desired sprinkler operation schedule;

meteorological conditions; and

a status of a fluid supply system supplying the fluid to the sprinklers.

3. (Previously Presented) The sprinkler system of claim 2, wherein each of the plurality of sprinkler controllers further comprises:

a timer adapted to provide a time signal representing a time of day;

wherein the processor is adapted to provide the control signal based on the digital data obtained by the media access controller and the time signal.

4. (Original) The sprinkler system of claim 1:

wherein the receiver is further adapted to receive a sensor signal provided by one or more sensors; and

wherein the processor is further adapted to provide the control signal based on the digital data obtained by the media access controller and the sensor signal.

5. (Original) The sprinkler system of claim 4, wherein the sensor signal represents at least one of the group comprising:

a pressure of the fluid,

a flow rate of the fluid,

a sunlight intensity,

an ambient temperature, and

a relative humidity.

6. (Original) The sprinkler system of claim 4, further comprising:

the one or more sensors.

7. (Previously Presented) The sprinkler system of claim 1, wherein each of the plurality of sprinkler controllers further comprises:

a keypad adapted to provide a keypad control signal in response to operation of the keypad;

wherein the processor is further adapted to provide the control signal based on the digital data obtained by the media access controller and the keypad control signal.

8. (Previously Presented) The sprinkler system of claim 1, wherein each of the plurality of sprinkler controllers further comprises:

a display adapted to display a status of the sprinkler controller.

9. (Original) The sprinkler system of claim 1, wherein the processor and the media access controller are implemented together as a single integrated circuit.

10. (Original) The sprinkler system of claim 1, wherein the receiver is a wireless receiver.

11. (Original) The sprinkler system of claim 10, wherein the receiver complies with a standard selected from the group consisting of:

IEEE 802.11;

IEEE 802.11a;

IEEE 802.11b;

IEEE 802.11g;

IEEE 802.11h;

IEEE 802.11i;

Short Messaging Service (SMS); and

Analog Display Service Interface (ADSI).

12. (Previously Presented) The sprinkler system of claim 1, wherein each of the plurality of sprinkler controllers further comprises:

a memory adapted to store a sprinkler schedule; and

wherein the processor is further adapted to produce the control signal based on the sprinkler schedule.

13. (Original) The sprinkler system of claim 12:

wherein the processor is further adapted to produce the control signal based on the sprinkler schedule stored in the memory when the signal representing the digital data is unavailable.

14. (Original) The sprinkler system of claim 13:

wherein the memory is non-volatile.

15. (Currently Amended) A sprinkler system comprising:

~~one or more~~ a plurality of sprinkler means each comprising a sprinkler valve means for regulating an amount of fluid delivered by the sprinkler means in response to a control signal;

master unit means for transmitting digital data; and

a plurality of sprinkler controller means, each one of the plurality of sprinkler controller means associated with a respective one of the plurality of sprinkler means and comprising:

receiver means for receiving a signal representing the digital data;

media access controller means for obtaining the digital data from the signal, for framing the digital data, and for filtering the digital data to select frames of the digital data that are addressed to the one of the plurality of sprinkler controllers; and

processor means for producing the control signal based on the digital data obtained by the media access controller; and

output means for providing the control signal to the sprinklers.

16. (Original) The sprinkler system of claim 15, wherein the digital data comprises data representing at least one of the group comprising:

a desired sprinkler operation schedule;

meteorological conditions; and

a status of a fluid supply system supplying the fluid to the sprinklers.

17. (Previously Presented) The sprinkler system of claim 16, wherein each of the sprinkler controller means further comprises:

timer means for providing a time signal representing a time of day;

wherein the processor means provides the control signal based on the digital data obtained by the media access controller means and the time signal.

18. (Original) The sprinkler system of claim 15:

wherein the receiver means receives a sensor signal provided by one or more sensor means; and

wherein the processor means provides the control signal based on the digital data obtained by the media access controller means and the sensor signal.

19. (Original) The sprinkler system of claim 18, wherein the sensor signal represents at least one of the group comprising:

a pressure of the fluid,

a flow rate of the fluid,

a sunlight intensity,

an ambient temperature, and

a relative humidity.

20. (Original) The sprinkler system of claim 18, further comprising:

the one or more sensor means.

21. (Previously Presented) The sprinkler system of claim 15, wherein each of the sprinkler controller means further comprises:

keypad means for providing a keypad control signal in response to operation of the keypad means;

wherein the processor means provides the control signal based on the digital data obtained by the media access controller means and the keypad control signal.

22. (Previously Presented) The sprinkler system of claim 15, wherein each of the sprinkler controller means further comprises:

display means for displaying a status of the sprinkler controller means.

23. (Original) The sprinkler system of claim 15, wherein the processor and the media access controller are implemented together as a single integrated circuit.

24. (Original) The sprinkler system of claim 15, wherein the receiver means is wireless.

25. (Original) The sprinkler system of claim 24, wherein the receiver means complies with a standard selected from the group consisting of:

IEEE 802.11;

IEEE 802.11a;

IEEE 802.11b;

IEEE 802.11g;

IEEE 802.11h;

IEEE 802.11i;

Short Messaging Service (SMS); and

Analog Display Service Interface (ADSI).

26. (Previously Presented) The sprinkler system of claim 15, wherein each of the sprinkler controller means further comprises:

memory means for storing a sprinkler schedule; and

wherein the processor means produces the control signal based on the sprinkler schedule.

27. (Original) The sprinkler system of claim 26:

wherein the processor means produces the control signal based on the sprinkler schedule stored in the memory means when the signal representing the digital data is unavailable.

28. (Original) The sprinkler system of claim 27:

wherein the memory means is non-volatile.

29-188. (Cancelled)

189. (Original) The sprinkler system of claim 10, wherein the receiver comprises pager technology.

190. (Original) The sprinkler system of claim 24, wherein the receiver means comprises pager technology.

191-196. (Cancelled)